

Telephone Interview

The instant Office Action is filed in response to a telephone interview with Ms. Lauren Schneider July 29th, 2009 where an agreement was reached as to the Examiner's amendment below. Please see the interview summary sheet attached to this Office Action.

Reference Considered by the Examiner

As reflected in the attached PTO-892 form, the Examiner has considered the Inoue reference (US 6,521,058).

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Lauren Schneider on July 29th, 2009.

1. (Canceled).
2. (Canceled).
3. (Canceled).
4. (Canceled).
5. (Canceled).

6. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy has a ΔT_{sc} of more than 40 °C.
7. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy has a Vickers hardness greater than 700 Kg/mm².
8. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy has a yield strength of greater than 2.5 GPa.
9. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy has a Young's modulus of greater than 140 GPa.
10. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy has a ratio of glass transition temperature to liquidus temperature of around 0.6 or more.
11. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy is substantially amorphous.
12. (Previously Presented) The glass forming alloy described in claim 36 wherein the alloy contains a ductile crystalline phase precipitate.
13. (Previously Presented) The glass forming alloy described in claim 36 wherein the critical cooling rate is less than about 1,000 °C/sec.
14. (Canceled).
15. (Canceled).
16. (Canceled).
17. (Canceled).
18. (Canceled).

19. (Canceled).
20. (Canceled).
21. (Canceled).
22. (Currently Amended) A glass forming alloy consisting essentially of an alloy having a composition given by:

$\text{Ni}_{100-a-b-c-d} \text{Ti}_a \text{Zr}_b \text{Al}_c \text{Cu}_d$, where $15 < a < 18$, $27 < b < 30$, $9 < c < 11$, $3 < d < 7$, and $a+b+c+d$ is in the range of from 58 to 61.

23. (Canceled).
24. (Canceled).
25. (Original) The glass forming alloy described in claim 22 wherein the critical cooling rate is less than about 1,000 °C/sec.
26. (Canceled).
27. (Previously Presented) A three dimensional article made from the alloy of claim 36 having an amorphous phase.
28. (Canceled).
29. (Canceled).
30. (Canceled).
31. (Original) a three dimensional article made from the alloy of claim 22 having an amorphous phase.
32. (Canceled).
33. (Previously Presented) The glass forming alloy of claim 36 having a composition of $\text{Ni}_{40} \text{Ti}_{16} \text{Zr}_{28} \text{Al}_{10} \text{Cu}_6$.

34. (Previously Presented) The glass forming alloy of claim 36 having a composition of $\text{Ni}_{40}\text{Ti}_{17}\text{Zr}_{28}\text{Al}_{10}\text{Cu}_5$.

35. (Canceled).

36. (Currently Amended) A glass forming alloy consisting essentially of an alloy having a composition given by:

$\text{Ni}_{100-a-b-c-d}\text{Ti}_a\text{Zr}_b\text{Al}_c\text{Cu}_d$, where $15 < a < 18$, $27 < b < 30$, $9 < c < 11$, $3 < d < 7$.

Allowable Claims

Claims 6-13, 22, 25, 27, 31, 33, 34, and 36 are allowed

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark L. Shevin whose telephone number is (571) 270-3588 and fax number is (571) 270-4588. The examiner can normally be reached on Monday - Friday, 8:30 AM - 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy M. King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

/Mark L. Shevin/

Examiner, Art Unit 1793

July 29th, 2009

10-535,317

/George Wyszomierski/
Primary Examiner
Art Unit 1793